Worksheet 1: Runoff curve number CN

Client		Ву	Ву		
County	State	Checked		Date	
Practice					
Soil name and hydrologic group (table 2—1)	Cover description (cover type, treatment, and hydrologic condition)	CN (table 2-3)	Area (acres or %)	Product of CN x area	
		Totals=			
CN (v	weighted) ——— =:	Use CN=		7	

(210-VI-OREH-STANDARD DRAWINGS & FORMS CAT, Amend. OR-3, Feb. 1991)

Worksheet 2: Time of concentration and peak discharge

Clie	ent		Ву	Do	ate
County		State	Checked	Dc	ote
Pra	ctice				
Esti	imating time of concentration				
1.	Data:				
	Rainfall distribution type		= _	((I, IA, II, III)
	Drainage area		A = _	(ac
	Runoff curve number		CN. = _	((Worksheet 1)
	Watershed slope		Y = _		%
	Flow length		l = _	f	ft
2.	$\rm T_c$ using $\ell,$ Y, CN and figure 2-27 or using equation 2-5		= _	h	nrs
	$T_c = \frac{\int_{0.8}^{0.8} \left[\left(\frac{1000}{CN} \right) - 9 \right]^{0.7}}{1140 \text{ y}^{0.5}} = \frac{()^{0.8}}{1140}$	$\frac{8}{()}^{0.7} = $	hrs		
Esti	imating peak discharge		Storm #1	Storm #2	Storm #3
1.	Frequency	yr			
2.	Rainfall, P (24-hour)	in			
3.	Initial abstraction, I _a	in			
4.	Compute I _a /P ratios				
5.	Unit peak discharge q _u (Use T _c and I _a /P with exhibit 2-11)	cfs/ac/i	n		
6.	Runoff, Q	in le 2-2)			
7.	Peak discharge, q _p	cfs			